

ABSTRACT OF THE DISCLOSURE

In an implantable heart-monitoring device and system, and a heart-monitoring method, a control circuit is connected to one or more sensors, a first of which is positionable in the coronary sinus region of a heart and senses at least one blood constituent, and at least one other of the sensors supplying a signal to the control circuit indicative of the activity of the heart. In response to signals from the first sensor and with information about the activity of the heart from the other sensor, the control circuit determines a first value of the blood constituent during a first portion of a heart cycle, and determines a second value of the blood constituent during a second portion of the heart cycle.

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